

What is claimed is:

1. A method of retaining a threaded bolt to prevent rotation thereof while installing a nut onto or removing a nut from said threaded bolt comprising  
  
inserting said threaded bolt which has a section between the threaded portion and the bolt head that is non-round into a member that has an opening of like size and configuration to the non-round portion of said bolt  
  
installing a retainer onto said threaded bolt on the opposite side of said member from the bolt head at or near the junction of the threaded portion and the non-round portion of said threaded bolt  
  
whereby, the non-round portion of said threaded bolt is restrained from moving out of engagement with the non-round opening of said member.
2. A method as in claim 1 whereby said threaded bolt is a carriage bolt modified to receive a retainer near the junction of the threaded portion and the square portion of said carriage bolt, and said member having a square opening of like size to the square portion of said carriage bolt.
3. A method as in claim 2 where said carriage bolt is modified by adding a cross hole to receive a pin which serves to retain the square portion of said carriage

bolt in the square opening of said member.

4. A method as in claim 3 where said pin inserted into the cross-hole is a roll pin.

5. A method as in claim 3 where said pin inserted into the cross-hole is a cotter key.

6. A method as in claim 2 where said carriage bolt is modified by adding a Groove at or near the junction of the threaded portion of said bolt and the square portion to receive a retaining ring or clip which serves to retain the square portion of said carriage bolt in the square opening of said member.

7. A method as in claim 2 where the square portion of said carriage bolt is retained in the square opening of said member by installing over the threads of said carriage bolt next to the square portion of said carriage bolt on the opposite side of said member from the head of said carriage bolt a device having an internal opening deforming to clamp the threads of said carriage bolt.

8. A method as in claim 7 where said device having a deforming internal opening is a internal tooth washer.

9. A method of retaining a shaker screen in a media separating shaker machine comprising

installing into said media separating shaker machine said shaker screen by

clamping a rail of a length sufficient to engage a major portion of said shaker screen said clamping rail having the necessary cross-sectional configuration to give clamping action to said shaker screen and having spaced along said clamping rail holes of non-round shape to receive bolts to obtain clamping action

fastening bolts for obtaining clamping action having between the threaded portion and bolt head a portion that is non-round to match the holes in said clamping rail, said bolts further having a means for retaining the non-round portion of said bolts in the non-round portion of said clamping rail

inserting said bolts into said clamping rail and retaining said bolts so that the non-round portions remain in engagement with the non-round holes in said clamping rail, the resulting clamping rail – bolt assembly being handable without regard to orientation with said bolts remaining in place allowing said clamping rail –bolt assembly to be maneuvered into said media separating shaker machine with said bolts engaging holes in the side of said media separating shaker machine and said clamping rail becoming positioned to clamp said shaker screen to the side of said media separating shaker machine allowing said bolts to have nuts installed on said bolts on the outside of said media separating shaker machine with said nuts being tightened to clamp or loosened to unclamp said shaker screen without said bolts moving out of engagement and rotating.

10. A method as in claim 9 wherein said bolts are carriage bolts and the holes in

said clamping rail are square and of a size to match the square portion on said carriage bolts.

11. A method as in claim 9 wherein the means for retaining the non-round portion of said bolts in the non-round holes of said clamping rail is by modifying said bolts by adding a cross-hole at or near the junction of the threaded portion of said bolts and the non-round portions so as to receive a pin which serves to retain the non-round portion of said bolts in the non-round holes of said clamping rail.

12. A method as in claim 11 wherein said pin inserted into the cross-hole is a roll pin.

13. A method as in claim 11 wherein said pin inserted into the cross-hole is a cotter key.

14. A method as in claim 9 wherein said means for retaining the non-round portion of said bolts in the non-round holes of said clamping rail is by modifying said bolts by adding a groove at or near the junction of the threaded portion and the non-round portion of said bolts to receive a retaining clip or ring.

15. A method as in claim 9 wherein the non-round portion of said bolts are retained in the non-round openings in said clamping rail by installing over the threads of said bolts next to the non-round portion of said bolts on the opposite side of the clamping rail from the head of the bolts a device having an internal

opening deforming to clamp against the threads of said bolts and securing said device next to said clamping rail on said bolts.

16. A method as in claim 15 where said device having deforming internal opening is an internal tooth washer.

17. A method as in claim 9 wherein said means for retaining the non-round portion of said bolts in the non-round portion of said clamping rail is a standard nut or jam nut.

18. A bolt having a head at one end with a shank of non-round cross section extending from the head along said bolt length for some distance after which the shank is round and threaded for the remaining length of said bolt with said bolt having a cross-hole at or near the junction of the non-round cross section and the round threaded portion.

19. A bolt having a head at one end with a shank of non-round cross section extending from the head along said bolt length for some distance after which the shank is round and threaded for the remaining length of said bolt and said bolt having a groove around its circumference at or near the junction of the non-round cross section and the round threaded portion.